

REMARKS/ARGUMENTS

Pending claims 1 – 6, 8 – 16 and 21-36 stand rejected under 35 U.S.C. § 102(b) over U.S. Patent No. 5,182,555 (Sumner). Applicant respectfully traverses the rejection. With regard to claim 1, Sumner does not disclose a cellular map of cellular communication cells in a geographic area. In this regard, the Office Action refers to Fig. 4 of Sumner and accompanying text on column 6, lines 59-68. However, the cells of Fig. 4 (e.g., 1332 to 1534) are merely portions of a region; there is no cellular map of cellular communication cells. Instead, as defined by Sumner, a cell “is defined by the direction of vehicle travel and the major arterials in an area where the vehicle is traveling.” Sumner, col. 6, ll. 34-45. Sumner further describes that “the cells are generally defined by direction of travel in the major arterials in a given area, with each cell encompassing a link or section of a major arterial up to, but not including the next major interchange.” Thus, FIG. 4 of Sumner is not a cellular map of cellular communication cells. That is, the cells of Sumner are not cellular communication cells, and there is nothing in Sumner that teaches a cellular map or cellular communication cells.

The Office Action further refers to col. 6, lns. 7-11 of Sumner. However, this portion of Sumner merely discloses that a communication subsystem may consist of low power radio transmitters that are similar to cellular telephone transponders. This portion, however neither discloses a cellular map of cellular communication cells, nor even cellular communication cells, as it merely states that a communication system has transmitters similar to cellular telephone transponders.

As a result, Sumner further does not disclose a traffic flow analyzer coupled to both a cellular map and a road map. This is so, at least because there is no cellular map disclosed in Sumner. To the extent that the Office Action contends that the low-powered radio transmitters of Sumner somehow meet a cellular communication cell, there is still a lack of a teaching for a cellular map or a coupling of such a map to a traffic flow analyzer. Accordingly, for at least these reasons claim 1 and claims 2-6 and 8-9 depending therefrom are patentable.

As to claim 10, nowhere does Sumner disclose an analyzer that receives cell occupancy data corresponding to at least one cellular communication cell. In this regard, as discussed above, Sumner merely discloses cells of a region; there is no relation to any receiving of cell occupancy data corresponding to at least one cellular communication cell. Nor is there any teaching of receiving such data from a cellular system. As a result, Sumner further fails to teach

an analyzer to determine traffic in a cellular communication cell according to cell occupancy data. For these further reasons, claim 10 and claims 11-16 depending therefrom are patentable over Sumner.

With respect to claim 21, Sumner does not disclose determining a delta in occupancy data of at least one cell of a cellular communication system. This is so, at least for the same reasons discussed above regarding claim 1. Furthermore, Sumner does not determine spatial movement of cellular devices in communication with a cellular communication system. This is so, at least because Sumner does not teach the presence of cellular devices. Accordingly, claim 21 and claims 22-36 depending therefrom are patentable over Sumner.

For at least the same reasons discussed above regarding claim 1, claim 7 depending therefrom is patentable over Sumner in view of U.S. Patent No. 6,317,686 (Ran).

With respect to dependent claims 37-38, these claims are patentable over Sumner, for at least the same reasons discussed as to claim 21 from which they depend.

Pending claims 39-51 stand rejected under 35 U.S.C. §103(a) over Sumner. Applicant respectfully traverses the rejection. As to claim 39, nowhere does Sumner teach or suggest receiving cell occupancy data corresponding to plural cells of a cellular communication system. This is so, at least for the same reasons discussed above regarding claim 1. Nor does Sumner teach or suggest determining which cellular devices represented by the cell occupancy data are moving between cells. Accordingly, Sumner further fails to teach or suggest determining which cells moving cellular devices are moving between, and converting the moved-between cell determination into a roadway representation that indicates which roads the moving vehicles are likely to be on. Accordingly, claim 39 and claims 40-48 depending therefrom are patentable over Sumner.

With respect to claim 49, nowhere does Sumner teach or suggest, at least, categorizing cellular devices in a specified area. Furthermore, Sumner fails to teach or suggest filtering out cellular devices not recently in other areas. Accordingly, for at least these reasons, claim 49 and claims 50-51 depending therefrom are patentable over Sumner.

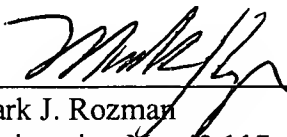
Claims 58-62 are patentable, at least because they depend from patentable claims 1 and 10, as discussed above.

In view of these remarks, the application is now in condition for allowance and the Examiner's prompt action in accordance therewith is respectfully requested. The Commissioner

is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-1504.

Respectfully submitted,

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